



Amendments to the claims:

1(currently amended): A convection oven [[Oven]] construction comprising a first wall structure [[means]] forming a substantially closed oven cabinet (23) having a front portion (68), opposing sides (69), back wall (71) and top (73), a second wall structure [[means]] (11) forming a substantially closed oven cavity [[means]] (49) having an upper portion (21) and a lower portion (13), a HTA supply [[means]] system mounted in said lower portion of said cavity [[means]] for generating a rising HTA flow within said cavity means, [[and]] air flow outlet [[means]] structure (82) formed thru a lower section of said second wall [[means]] structure (11), a discharge vent duct system (85) communicating with said outlet structure (82), said duct system (85) extending from said outlet structure upwardly to an upper portion of said cabinet and communicating with discharge vent means (51) and in said cabinet for discharging warm circulated air and combustion gases from said cavity to the atmosphere, whereby said duct system (85) operates as a chimney up through which said warm air and combustion gases are drawn and whereby circulation of fresh air into and out of said cavity is continued, and~~[[,]]~~ whereby said HTA from said supply system [[means]] will rise into said upper portion of said cavity [[means]] and then as it becomes cooler will gravitate downwardly into said lower portion of said cavity [[means]] and exit thru said outlet [[means]] structure (82), and whereby said HTA will be forced to travel a longer residence path within said cavity [[means]] and release a larger amount of heat energy into said cavity [[means]] prior to discharge of said [[HTA]] circulate air therefrom.

2(currently amended): The oven construction of claim 1 wherein a steam generator [[means]] system is mounted in said cavity [[means]] and comprises a water inlet [[means]], a heat sink [[means]], a steam outlet [[means]], a water reservoir [[means]] mounted on the exterior of said first wall [[means]] structure on an upper portion thereof, and a water feed line [[means]] passing thru said first and second wall [[means]] structure and into said cavity [[means]] and having one end connected to said reservoir [[means]] and having its other end juxtaposed said water inlet [[means]], whereby a measured amount of water can be poured into said reservoir [[means]] and conducted thru said feed line [[means]] into said inlet [[means]] and into contact with said heat sink [[means]] to produce a desired amount of steam within said cavity [[means]].

3(currently amended): The oven construction of claim [[1]] 2 wherein said HTA supply [[means]] system comprises a gas burner installation.

4(cancelled):

5(currently amended): The oven construction of claim [[4]] 2 wherein baffle plate structure [[means]] is mounted in said cavity [[means]] to substantially separate said gas burner installation from the remainder of said cavity [[means]], and wherein said heat sink [[means]] comprises a recess indentation~~[[,]]~~ in said baffle plate structure [[means]], and wherein a plurality of metal pieces are contained in said indentation.

6(currently amended): The oven construction of claim 5 wherein said metal pieces are stainless steel balls.

7(currently amended): The oven construction of claim 1 wherein said HTA supply system [[means]] comprises an electrical heating element.

8(cancelled):

9(cancelled):

10(currently amended): The oven construction of claim 3 wherein said steam generator [[means]] system is mounted in said cavity [[means]] directly within the upwardly directed HTA flow from the gas burner installation.

11(original): Oven construction comprising first wall means forming a substantially closed oven cabinet, second wall means forming a substantially closed oven cavity means having an upper portion and a lower portion, HTA supply means mounted in said lower portion of said cavity means for generating a rising HTA flow within said cavity means, first air flow outlet means formed thru an upper section of said second wall means, second air flow outlet means formed thru a lower section of said second wall means, said first and second outlet means communicating with a common outlet duct means, air flow control damper means on said duct means and moveable between a first position closing said first outlet means and to a second position closing said second outlet means and to any intermediate position, control means responsive to air temperature or air flow rate, or both within said duct means to move said damper means to any of said positions, whereby thru control of said damper means said HTA from said supply means can be caused to rise into said upper portion of said cavity means and then as it becomes cooler to gravitate downwardly into said lower portion of said cavity means and exit thru said second outlet means, whereby said HTA will be forced to travel a longer residence path within said cavity means and release a larger amount of heat energy into said cavity means prior to discharge of said HTA therefrom.

12(original): The oven construction of claim 11 wherein a steam generator means is mounted in said cavity means and comprises water inlet means, heat sink means, steam outlet means, water reservoir means mounted

on the exterior of said first wall means on an upper portion thereof, and water feed line means passing thru said first and second wall means and into said cavity means and having one end connected to said reservoir means and having its other end juxtaposed said inlet means, whereby a measured amount of water can be poured into said reservoir means and conducted thru said feed line means into said inlet means and into contact with said heat sink means to produce a desired amount of steam within said cavity means.

13(original): The oven construction of claim 11 wherein said HTA supply means comprises a gas burner installation.

14(original): The oven construction of claim 13 wherein baffle plate means is mounted in said cavity means to substantially separate said gas burner installation from the remainder of said cavity means, wherein said heat sink means comprises a recess indentation, in said baffle plate means, and wherein a plurality of metal pieces are contained in said indentation.

15(original): The oven construction of claim 14 wherein said metal pieces are stainless steel balls.

16(original): The oven construction of claim 11 wherein said HTA supply means comprises an electrical heating element.

17(original): The oven construction of claim 14 wherein said steam generator means is mounted in said cavity means directly within the upwardly directed HTA flow from the gas burner installation.

18(original): The oven construction of claim 17 wherein said metal pieces are stainless steel balls.

19(original): The oven construction of claim 11 wherein said HTA supply means comprises an electrical heating element.

20(original): The oven construction of claim 17 wherein said steam generator means is mounted in said cavity means directly within the upwardly directed HTA flow from the gas burner installation.